

NO. 2

BIO-RESEARCH CONSULTANTS, INC.

9 Commercial Avenue  
Cambridge, Massachusetts 02141

R E P O R T

to

Philip Morris Incorporated

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Report Prepared by

Cornelis G. Van Dongen, Ph.D., Research Associate

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## STUDIES ON SALIVATION

Recent progress in the studies on salivation will be presented herewith in the form of a brief interim report because of the fact that none of the initiated experiments is finished.

### A. Nicotine studies

We ordered a new batch of high salivating C57BL/6J and low salivating AKR/J male mice. These mice have all been collared and have been adapted to the salivation procedure by the one-day salivation test. Experiments are now in progress, to study the effect of subcutaneously administered nicotine tartrate on salivation in a dose related fashion on these two inbred strains of preconditioned mice.

### B. Smoke studies

We have repeated one phase of the study on the effect of smokes from various cigarettes on salivation. The studies with 10 percent smoke concentration and its gas phase on salivary performance of C57BL/6J mice have been performed. Studies on the effects of 20 and 30 percent smoke concentrations await the modification of certain attachments of the smoking machine, on which we are currently working.

The results of the above mentioned experiments and their statistical analysis will be the basis for our next more substantial report.

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